XEROX

May 3, 1988

Mr. Basil Constantelos
Director, Waste Management Division
U.S. Environmental Protection Agency Region V
Federal Building
230 South Dearborn
Chicago, IL 60604

Dear Mr. Constantelos:

Notification of Affected Soils and Groundwater
Xerox Corporation Facility
Mundelein, Illinois

This letter provides notification to the U.S. Environmental Protection Agency of detection of soils which have been affected by select organic compounds at the site of Xerox Corporation's Cheshire operation in Mundelein, Illinois. Detection of the affected soils occurred during a routine environmental audit of the Cheshire site (Figure 1) conducted in preparation for the sale of the Cheshire Company. All buildings in this complex are leased.

The soil contaminants have been detected at 408 Washington Boulevard. This is a manufacturing facility with about 43,000 square feet of space.

Subsurface explorations at the site consisted of a soil vapor survey and the drilling of four test borings advanced to depths of 15 to 52 feet below ground surface. Groundwater was not encountered in any of the four test borings. Soil samples were taken from test borings and from below the floor slab in Building 408 and were chemically analyzed for volatile organic compounds (Method 624). One sample was analyzed for base-neutral and acid extractable semivolatile compounds.

The results of this investigation indicate that past activities at 408 Washington Boulevard have resulted in an apparent release of several volatile organic compounds. The most prevalent compound detected was trichloroethene (TCE) at a maximum concentration of 5.510 parts per million (ppm). Toluene and vinyl chloride were detected in concentrations up to 1.590 ppm and 0.056 ppm respectively. Other compounds were detected in trace amounts only. Complete results of this investigation are provided in the enclosed report entitled "Oil and Hazardous Materials Site Evaluation, Xerox-Cheshire, Mundelein, Illinois," April, 1988.
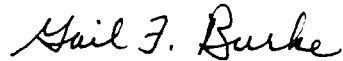
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The subsurface information gathered during the soil boring program showed the site groundwater surface to be in excess of 50 feet in depth with relatively dense glacial till underlying all areas explored. It appears that the areal extent of the organic contamination is confined to and entirely beneath the western one-third of the 408 Washington Boulevard building and has not affected the groundwater.

Based on the identification of affected soils at the site, additional investigation activities are currently being conducted to determine the areal extent and depth to which the volatile organic compounds have spread and to recommend appropriate remediation, if any, at the site. The second phase of work includes drilling 6 to 9 borings installed through the floor slab of the 408 Washington Boulevard Building and 3 to 4 borings installed outside the building along the western and southwestern perimeters. Complete results of the second phase investigation will be submitted to your Agency in a formal report following completion of the exploration and laboratory analysis of soil samples.

Please call me at (716) 422-9515 if you have any further questions.

Sincerely,

Gail F. Burke
Corporate Manager
Environmental Engineering

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